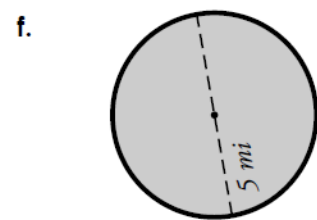
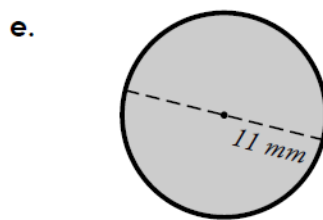
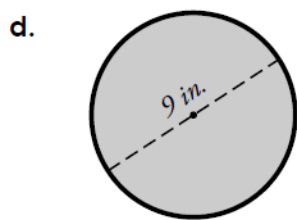
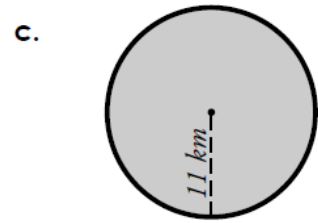
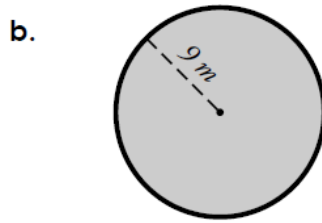
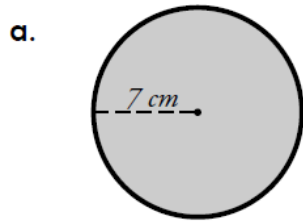


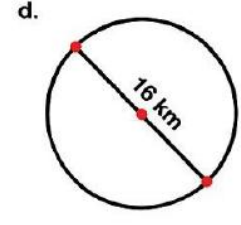
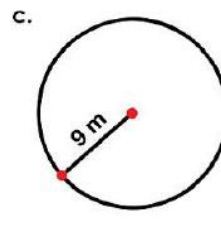
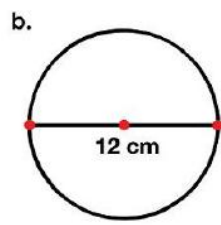
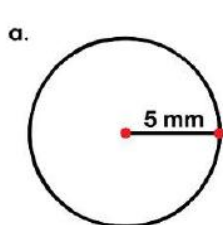
1. Find the circumference of each circle. Use 3.14 for pi. Show the correct formula.



2. Mr. Tobias is buying new tires for his bike. He wants to make sure the new tires will fit on his bike but the only measurement he has is the radius of 12 inches. What is the circumference of the new tires?

3. Karla and Jeremy have a circular pool with a diameter of 12 feet. What is the circumference of the pool?

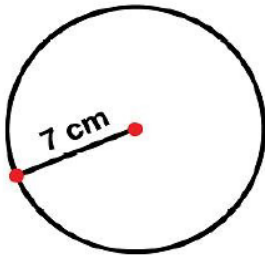
4. Find the circumference of each circle. Use 3.14 for pi. Show the correct formula.



5. John has a round swimming pool. The distance from the center of the pool to the edge is 3 meters. What is the circumference of John's pool?

6. Fill in the blanks.

a)

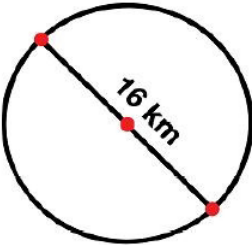


The radius of this circle is \_\_\_\_\_.

The diameter of this circle is \_\_\_\_\_.

The circumference of this circle is \_\_\_\_\_.

b)

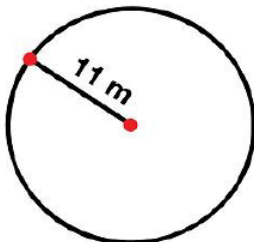


The radius of this circle is \_\_\_\_\_.

The diameter of this circle is \_\_\_\_\_.

The circumference of this circle is \_\_\_\_\_.

c)

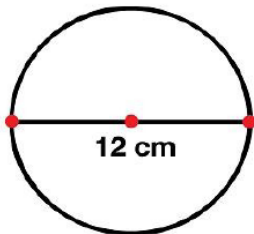


The radius of this circle is \_\_\_\_\_.

The diameter of this circle is \_\_\_\_\_.

The circumference of this circle is \_\_\_\_\_.

d)



The radius of this circle is \_\_\_\_\_.

The diameter of this circle is \_\_\_\_\_.

The circumference of this circle is \_\_\_\_\_.

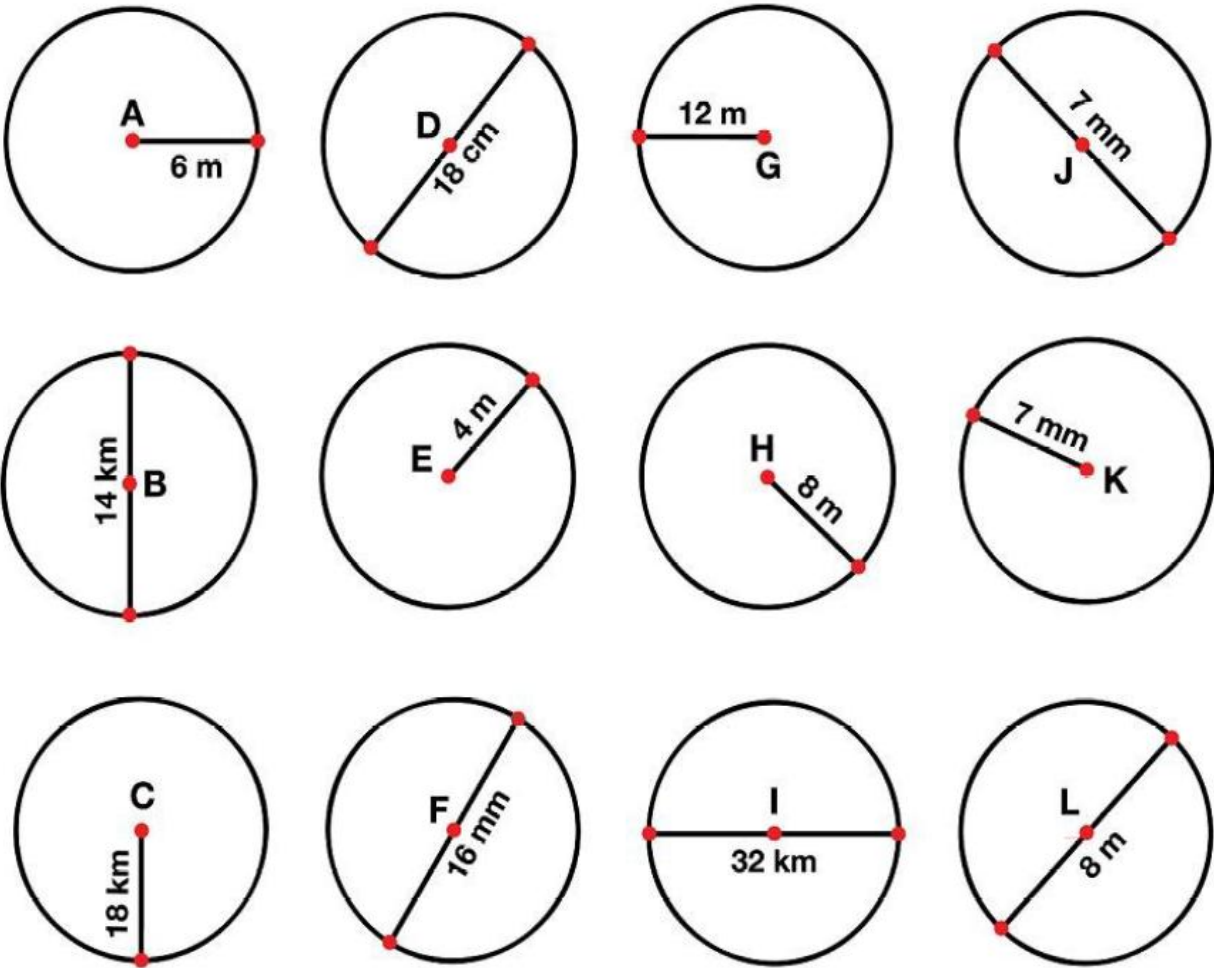
7. The Earth has a diameter of 7,926.41 miles, what is the distance around the Earth? (Better known as circumference)

8. A pizza place has a 8" diameter, 12" diameter, and a 16" diameter pizza. What is the circumference of those pizzas?

9. A Ferris wheel has a radius of 65', what is the circumference of the Ferris wheel?

10. Gears on a bicycle are just circles in shape. One gear has a diameter of 4", and a smaller one has a diameter of 2". How much bigger is the circumference of the larger one compared to the smaller one?

11. Answer the questions that follow.



- a. Which circle has a diameter of 36 km? \_\_\_\_\_
- b. Which circle has a radius of 16 km? \_\_\_\_\_
- c. Which circle has a radius of 9 cm? \_\_\_\_\_
- d. Which circle has a radius of 7 mm? \_\_\_\_\_
- e. Which circle has a diameter of 24 m? \_\_\_\_\_
- f. Which circle has a radius of 8 m? \_\_\_\_\_
- g. What is the radius of circle A? \_\_\_\_\_
- h. What is the diameter of circle J? \_\_\_\_\_
- i. What is the radius of circle B? \_\_\_\_\_
- j. What is the radius of circle F? \_\_\_\_\_
- k. If the circles were drawn to scale, which circle would be the smallest? \_\_\_\_\_
- l. If the circles were drawn to scale, which circle would be the largest? \_\_\_\_\_
- m. If the circles were drawn to scale, which two circles are exactly the same size? \_\_\_\_\_ and \_\_\_\_\_
- n. If the circles were drawn to scale, which circle would be larger than J, but smaller than F? \_\_\_\_\_

12. Anne is riding a horse which is tied to a pole with a 3.5 m piece of rope and her friend Laura is riding a donkey which is 2 m from the same center point. Calculate the distance, **in feet**, travelled by each when they have rotated 50 times around the centre.
  
13. A circular swimming pool has a diameter of 25 Feet. Ellen is swimming laps around the edge of the pool. How far, **in metres**, did she swim one she's gone around the pool 6 times?
  
14. How much fencing, in metres, does it take to enclose a circular garden with a radius of 127 *ft*?
  
15. One pizza shop sells a tasty 14 in diameter pie for \$13.95 and a 10 inch pizza for \$9.99. What are the circumferences of the pans used to bake these pizzas, in centimetres?
  
16. The wheel of a wagon has a radius of 4.9 inches. How far does the wagon travel, in centimetres, in one turn of the wheel?
  
17. The circumference of a circle is 88. Find the diameter of the circle.
  
18. The circumference of the top of a sewer cover is 10.99 square feet. What is its radius?